

317 Elm Street Milford, NH 03055

(603) 673-5440 Fax (603) 673-0366 Sales@chemservelab.com

Friday, June 27, 2014

Tom Givetz New Hampshire Fish and Game Powder Mill 288 Merrymeeting Road New Durham NH 03855

Project Name: Powder Mill Hatchery Lab ID: 14060161

Project #: N/A

Date Received: 6/12/2014 Project Location: New Durham, NH

Control #: 097741

Dear Tom Givetz

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at http://www.chemservelab.com/Laboratory-Informationand-Documentation.aspx

Jay Chrystal - President/Laboratory Director





317 Elm Street Milford, NH 03055 (603) 673-5440

14060161

6/27/2014

Sales@chemservelab.com

Lab ID:

Date:

New Hampshire Fish and Game Powder Mill

Tom Givetz Control #:

288 Merrymeeting Road Project Number: N/A

New Durham NH 03855 Project Name: Powder Mill Hatchery Project Location: New Durham, NH

Lab ID: 14060161

Sample Receiving and Comment Summary

097741

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples recieved in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
14060161-001	SM 4500-NH3-D	001 - #1, #2, #3	Wastewater	LauraB

Comment: No Comment

^{*} Blank comment sections denote "No Comment"



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Analytical Results

14060161

6/27/2014

Lab ID:

Date:

New Hampshire Fish and Game Powder Mill

Tom Givetz Control #: 097741
288 Merrymeeting Road Project Number: N/A

New Durham NH 03855 Project Name: Powder Mill Hatchery

Project Location: New Durham, NH

Sample	Method	Client Samp	le Identity				Units	Matrix	Analyst
14060161-001	EPA 200.7	001 - #1, #2,	#3				"	Wastewater	Charlene
Start Date/Tin	ne Sampled:	6/10/2014 7:06:00 AM	Composite	End Date/Time:	6/11/	/2014 7:	06:00 AM		
						0	Date/Time	Dilution	
Parameter		CAS Numbe	r	Result	,	Qualifier	Analyzed	l Factor	RDL
Hot Plate Dige	stion						6/16/2014	1	(
Phosphorous-F	P Total	7723-14-0		< 0.01 mg/L			6/20/2014	1	0.0
Sample	Method	Client Samp	le Identity				Units	Matrix	Analyst
14060161-001	EPA 300.0	001 - #1, #2,	#3				mg/L	Wastewater	Michelle
Start Date/Tim	ne Sampled:	6/10/2014 7:06:00 AM	Composite	End Date/Time:	6/11/	/2014 7:	06:00 AM		
							Date/Time	e Dilution	
Parameter		CAS Numbe	r	Result	•	Qualifier	Analyzed	Factor	RDL
Nitrate				< 1 mg/L			6/13/2014 10:31:0	00 AM 1	
Sample	Method	Client Samp	le Identity				Units	Matrix	Analyst
14060161-001	In House	001 - #1, #2,					mg/L	Wastewater	LauraB
Start Date/Tim	ne Sampled:	6/10/2014 7:06:00 AM	Composite	End Date/Time:	6/11/	/2014 7:	06:00 AM		
							Date/Time	e Dilution	
Parameter		CAS Numbe	r	Result	•	Qualifier	Analyzed	l Factor	RDL
Total Nitrogen				< 1 mg/L			6/26/2014		
				< 1 Hig/L				1	•
Sample	Method	Client Samp	le Identity	< 1 Hig/L			Units	1 Matrix	1
		Client Samp 001 - #1, #2,	,	< 1 mg/L			Units mg/L	·	Analyst
Sample 14060161-001 Start Date/Tin	SM 2540D	001 - #1, #2,	#3	End Date/Time:	6/11/	/2014 7:		Matrix	
14060161-001	SM 2540D	001 - #1, #2,	#3				mg/L	Matrix Wastewater	Analyst
14060161-001	SM 2540D	001 - #1, #2,	#3 Composite			/2014 7: Qualifier	mg/L 06:00 AM	Matrix Wastewater	Analyst
14060161-001 Start Date/Tim	SM 2540D ne Sampled:	001 - #1, #2, 6/10/2014 7:06:00 AM	#3 Composite	End Date/Time:			mg/L 06:00 AM Date/Time	Matrix Wastewater	Analyst LauraB
14060161-001 Start Date/Tim Parameter Total Suspend	SM 2540D ne Sampled:	001 - #1, #2, 6/10/2014 7:06:00 AM	#3 Composite	End Date/Time:			mg/L 06:00 AM Date/Time Analyzed	Matrix Wastewater Dilution Factor	Analyst LauraB
14060161-001 Start Date/Tim Parameter Total Suspend Sample	SM 2540D ne Sampled: ed Solids	001 - #1, #2, 6/10/2014 7:06:00 AM CAS Numbe	#3 Composite	End Date/Time:			mg/L 06:00 AM Date/Time Analyzed 6/17/2014	Matrix Wastewater Pilution Factor 0.5	Analyst LauraB RDI
14060161-001 Start Date/Tim Parameter Total Suspend Sample 14060161-001	SM 2540D ne Sampled: ed Solids Method SM 4500-NH	001 - #1, #2, 6/10/2014 7:06:00 AM CAS Numbe Client Samp 3-D 001 - #1, #2,	#3 Composite	End Date/Time:		Qualifier	mg/L 06:00 AM Date/Time Analyzed 6/17/2014 Units	Matrix Wastewater Dilution Factor 0.5 Matrix	Analyst LauraB RDI
14060161-001 Start Date/Tim Parameter Total Suspend Sample 14060161-001 Start Date/Tim	SM 2540D ne Sampled: ed Solids Method SM 4500-NH	001 - #1, #2, 6/10/2014 7:06:00 AM CAS Numbe Client Samp 3-D 001 - #1, #2, 6/10/2014 7:06:00 AM	#3 Composite or Die Identity #3 Composite	e End Date/Time: Result < 2 mg/L End Date/Time:	6/11/	Qualifier (2014 7:	mg/L 06:00 AM Date/Time Analyzed 6/17/2014 Units mg/L 06:00 AM Date/Time	Matrix Wastewater Pollution Factor 0.5 Matrix Wastewater Dilution	Analyst Analyst Analyst LauraB
14060161-001 Start Date/Tim Parameter Total Suspend Sample 14060161-001	SM 2540D ne Sampled: ed Solids Method SM 4500-NH	001 - #1, #2, 6/10/2014 7:06:00 AM CAS Numbe Client Samp 3-D 001 - #1, #2,	#3 Composite or Die Identity #3 Composite	End Date/Time: Result < 2 mg/L	6/11/	Qualifier	mg/L 06:00 AM Date/Time Analyzed 6/17/2014 Units mg/L 06:00 AM	Matrix Wastewater Pollution Factor 0.5 Matrix Wastewater Dilution	Analyst LauraB RDI



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Sample	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-001	SM 5210B	001 - #1, #2, #3		·	mg/L	Wastewater	CalebH
Start Date/Time	Sampled:	6/10/2014 7:06:00 AM	nposite End Date/Time:	6/11/2014 7:0	06:00 AM		
				0	Date/Time	Dilution	
Parameter		CAS Number	Result	Qualifier	Analyzed	Factor	RD
BOD			1.87 mg/L		6/13/2014 7:00:00	AM 1	
	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-001	SM4500-Nor	g/NH3-B 001 - #1, #2, #3			mg/L	Wastewater	LauraB
Start Date/Time	Sampled:	6/10/2014 7:06:00 AM	nposite End Date/Time:	6/11/2014 7:0	06:00 AM		
D		OAO Novelor	Beauty	Qualifier	Date/Time		
Parameter		CAS Number	Result		Analyzed 6/23/2014		RD
Kjeldahl-N		5228003-90-0	< 0.5 mg/L		0/23/2014	1	0.
Sample	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-002	EPA 200.7	002 - #1, #2, #3				Wastewater	Charlene
Start Date/Time	Sampled:	6/10/2014 7:13:00 AM	nposite End Date/Time:	6/11/2014 7:	13:00 AM		
				0 1111	Date/Time	Dilution	
Parameter		CAS Number	Result	Qualifier	Analyzed	Factor	RD
Hot Plate Digest	tion				6/16/2014	1	
Phosphorous-P	Total	7723-14-0	0.03 mg/L		6/20/2014	1	0.0
Sample	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-002	EPA 300.0	002 - #1, #2, #3			mg/L	Wastewater	Michelle
Start Date/Time	Sampled:	6/10/2014 7:13:00 AM	nposite End Date/Time:	6/11/2014 7:	13:00 AM		
				Qualifier	Date/Time	Dilution	
Parameter		CAS Number	Result	Quaimer	Analyzed		RD
Nitrate			< 1 mg/L		6/13/2014 10:44:00	O AM 1	
	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-002	In House	002 - #1, #2, #3			mg/L	Wastewater	LauraB
Start Date/Time	Sampled:	6/10/2014 7:13:00 AM Con	nposite End Date/Time:	6/11/2014 7:	13:00 AM		
Davameter		CAC Normalises	Deput	Qualifier	Date/Time		
Parameter		CAS Number	Result		Analyzed 6/26/2014	Factor 1	RD
Total Nitrogen			< 1 mg/L		0/20/2014	T	
•	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-002	SM 2540D	002 - #1, #2, #3			mg/L	Wastewater	LauraB
Start Date/Time	Sampled:	6/10/2014 7:13:00 AM	nposite End Date/Time:	6/11/2014 7:	13:00 AM		
				Qualifier	Date/Time		
Parameter		CAS Number	Result	Qualifier	Analyzed	Factor	RD
Total Suspende			< 2 mg/L		6/17/2014	0.5	



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Sample							
P 17	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-0	02 SM 4500-NH3-D	002 - #1, #2, #3			mg/L	Wastewater	LauraB
Start Date/T	Fime Sampled: 6/10/2	2014 7:13:00 AM Con	nposite End Date/Time:	6/11/2014 7:1	3:00 AM		
					Date/Time	Dilution	
Parameter		CAS Number	Result	Qualifier	Analyzed		RD
Ammonia-N			0.27 mg/L		6/26/2014	1	0.
Sample	Method	Client Sample Id	lentity		Units	Matrix	Analyst
14060161-0	02 SM 5210B	002 - #1, #2, #3		,	mg/L	Wastewater	CalebH
Start Date/1	Fime Sampled: 6/10/2	2014 7:13:00 AM Con	nposite End Date/Time:	6/11/2014 7:1	3:00 AM		
					Date/Time	Dilution	
Parameter		CAS Number	Result	Qualifier	Analyzed	Factor	RD
BOD			1.84 mg/L		6/13/2014 7:00:00	O AM 1	
Sample	Method	Client Sample Id	lentity		Units	Matrix	Analyst
 14060161-0	02 SM4500-Norg/NH3-B		·		mg/L	Wastewater	LauraB
Parameter		CAS Number	Result	Qualifier	Date/Time Analyzed		RD
					-		
Kjeldahl-N		5228003-90-0	< 0.5 mg/L		6/23/2014	1	0.
	December	5228003-90-0	< 0.5 mg/L		6/23/2014	1	0
Qualifier:	Description: Method blank contamina	ated with target analyte.			6/23/2014	1	0
Qualifier: B- B1-	•	ated with target analyte.	'>"the highest dilution.		6/23/2014	1	0
Qualifier: B- B1- B2- G-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated	ated with target analyte. loss. Result reported as "< s. Result reported as "<' due to matrix interferen	'>"the highest dilution. " the lowest dilution.		6/23/2014	1	0
Qualifier: B- B1- B2- G- H-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi	ated with target analyte. ss. Result reported as "< s. Result reported as "< due to matrix interference ng time exceeded.	">"the highest dilution. " the lowest dilution. ce.		6/23/2014	1	0
Qualifier: B- B1- B2- G- H- J-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v	ated with target analyte. ss. Result reported as "< due to matrix interference time time exceeded. value. Value is less than	">"the highest dilution. " the lowest dilution. ce. the quantitation limit.		6/23/2014	1	0
Qualifier: B- B1- B2- G- H- J- LH-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi	ated with target analyte. less. Result reported as "< due to matrix interferenting time exceeded. ralue. Value is less than (s) was high. Results m	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high.		6/23/2014	1	0
Qualifier: B- B1- B2- G- H- J- LH- LL- MH-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v Laboratory control spike Laboratory control spike Matrix spike recovery hig	ated with target analyte. ss. Result reported as " s. Result reported as " due to matrix interferen- ng time exceeded. ralue. Value is less than (s) was high. Results ma gh due to matrix. Result	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. s may be biased high.		6/23/2014	1	0
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v Laboratory control spike Laboratory control spike Matrix spike recovery hig Matrix spike recovery los	ated with target analyte. ass. Result reported as " s. Result reported as " due to matrix interferent ing time exceeded. ralue. Value is less than (s) was high. Results m gh due to matrix. Result w due to matrix. Results	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. may be biased low.				
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v Laboratory control spike Laboratory control spike Matrix spike recovery hig Matrix spike recovery los Spike recovery was not	ated with target analyte. bss. Result reported as "< is. Result reported as "< due to matrix interference ing time exceeded. value. Value is less than (s) was high. Results m (s) was low. Results ma gh due to matrix. Result w due to matrix. Results calculated due to the co	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. s may be biased high.	g >4 times the co			
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC- R-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v Laboratory control spike Laboratory control spike Matrix spike recovery los Spike recovery was not RPD outside acceptable	ated with target analyte. bss. Result reported as "ss. Result and time exceeded. by alue. Value is less than (s) was high. Results may have to matrix. Result and the to matrix. Result and the to matrix. Results and the recovery limits.	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. may be biased low.	g >4 times the co			
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated v Laboratory control spike Laboratory control spike Matrix spike recovery los Spike recovery los Spike recovery was not RPD outside acceptable Sample received out of l	ated with target analyte. bss. Result reported as "ss. Result reported as "ss. Result reported as "ss. Result reported as "ss. Result reported due to matrix interference to matrix less than (s) was high. Results may have to matrix. Result who due to matrix. Result who due to matrix recovery limits.	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. may be biased low.	g >4 times the co			
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC- R- RO- SH- SL-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated valaboratory control spike Laboratory control spike Matrix spike recovery los Spike recovery was not RPD outside acceptable Sample received out of Surrogate recovery low Surrogate recovery low Surrogate recovery low of Surrogate recovery lo	ated with target analyte. loss. Result reported as " due to matrix interference time exceeded. value. Value is less than (s) was high. Results m (s) was low. Results may gh due to matrix. Results calculated due to the contractory imits. holding time. due to matrix	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. may be biased low.	g >4 times the co			
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC- R- RO- SH- SL- TNTC-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated valaboratory control spike Laboratory control spike Matrix spike recovery los Spike recovery was not RPD outside acceptable Sample received out of Surrogate recovery low Too numerous to count.	ated with target analyte. less. Result reported as "s. S. Result reported as "c' due to matrix interference ing time exceeded. Value. Value is less than (s) was high. Results m (s) was low. Results may gh due to matrix. Results Value to matrix. Results Value to matrix. Results Calculated due to the control Calculated due to the cont	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. sy be biased low. s may be biased high. may be biased low. oncentration of the analyte being				
Qualifier: B- B1- B2- G- H- J- LH- LL- MH- ML- NC- R- RO- SH- SL-	Method blank contamina BOD had total oxygen los BOD had no oxygen los Reporting limit elevated Method prescribed holdi Indicates an estimated valaboratory control spike Laboratory control spike Matrix spike recovery hig Matrix spike recovery los Spike recovery was not RPD outside acceptable Sample received out of Surrogate recovery high Surrogate recovery low Too numerous to count. BOD/CBOD blank had a	ated with target analyte. ass. Result reported as "ss. Result reported as "ss. Result reported as "st. At a st. At a st	">"the highest dilution. " the lowest dilution. ce. the quantitation limit. ay be biased high. s may be biased low. may be biased low.				

Chain of Custody No. 097741

Multiple COC's Yes (No)



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CHAIN OF CUSTODY

(A) (GUSTOMER INFORMATION	В	Ę		PROJECTINITORWATION		G .		MATERIAL	
CUSTOMER: N.H. FISH + GAMA		JOB NAME:	Rowder		HALOWY		URNAROUN	TURNAROUND TIME: (CIRCLE ONE:)	OLE ONE:
ADDRESS: 11 HAZY 1)6	J(JOB NUMBER:				10 DAY STANDARD	NDARD	RUSH /MUST	יטשעעישממי שמם שנ
CITY/STATE/ZIP Concord 11.14 03	301 L	LOCATION:/	Now 1	Dur ham	7 # 1	7day 5 day	< /	3 day 2 day	day 2 day 1 day Same Day
TELEPHONE: 603 855 2011	2	INVOICE EMAIL:	<u>:</u>	7.4		MCP	J VES	391	□GW3
REPORT TO: Tom Cint	 	INVOICE TO:			The land to			1000	
EMAIL TO: fow dermille hut mail:	Con P.O	P.O. NUMBER:			O 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
SAMPLE IDENTIFICATION & LOCATION (E)	COLLECTED			MINERS	\$86.50 \$7.50				
		-	-	©#0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			(E)	(L) ANALYSIS
001 , #/	6/11/14 7	7:06-	1					300-7	7
001 - #2	1/4	7 JUL . 7 JUL .	1					J- N. F.	₩, ¥105.67 ge 6 of
001 - #3	14	7:00	-	The state of the s	7,			7. Phos	
	DA LE								
002 - #1	12, h/11/9	TIME /71.15	1					BOD-7:	BOD-TS. Nitrate
CO2 - #2	1/4	7:13	1					7- Ni	Nitiosen
002 - #3	6/11/14/2	7:13-	7		5			7- Phos	v ,
(B) CUSTODY SAMPLER: The same is (Sive	7	DATE PAINTE	MILITARY TIME	SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME (RECEIVED HYGOOD CONDITION) TENDEN AND TO THE TENDEN AND THE TENDE AND THE TEN	CK LIST: HOLD TIME (YES) OR CONDITION TES) OR	NO .	FIELD RI	LADING(S) &	FIELD READING(S) & COMMENTS:
RELINQUISHED:		6/11/14	2 ZIMIE	SHIPPED OF HAND DELIVERED	OPERLY PRESERVED Y	NA NA			
RECEIVED:	W.	を を を を を を を を を を を を を を	B	SAMPLES WERE FIL IF NO EXPLAIN:	SAMPLES WERE FILTERED IN FIELD LAB (N/A) IF NO EXPLAIN:				
RELINQUISHED:	107			:					
RECEIVED FOR LABY A NOW / TO MOUNT	2 6	光彩马		GROUP#	19/10/00	6/26			